

## E. DEFENSE TECHNICAL INFORMATION CENTER (DTIC)



Any technology transfer effort starts with the sharing of information, whether for transfer of technology into or out of the DoD or, indeed, for transfer between and among various DoD organizations. DTIC provides the function of sound information collection and dissemination capability for the DoD S&T community. Highlights of DTIC activities in FY 98 are presented below.

### Defense Technology Transfer Information System (DTTIS)

DTIC maintains the DTTIS in cooperation with the Military Departments and Defense Agencies. As of December 31, 1998, the DTTIS contained project information on 2,788 DoD Technology Transfer Activities, including 1,363 active Cooperative Research and Development Agreements (CRADAs) and 143 active Patent License Agreements. Over 100 Technology Transfer professionals are registered to use the DTTIS password protected World Wide Web site to view and analyze technology transfer data. 1998 input into the DTTIS included 551 new records and 1,597 record modifications.

### Independent Research and Development (IR&D or IRAD) Database

DTIC maintains a database with project description and financial information reflecting Independent Research and Development efforts conducted by Defense contractor activities. In 1998, the database received 4,109 project descriptions reflecting 2.5 billion dollars in 1998 IR&D investment. It is estimated that this reflects almost 90% of the cost recoverable IR&D efforts performed by defense contractors. The information in the database is proprietary and disseminated to U.S government activities only via an on-line subscription and CD-ROM. In 1998, DTIC worked with contributing contractors and the IR&D Technical Coordination Group to approve a secure IR&D World Wide Web site to better serve DoD customers in leveraging IR&D technology for DoD purposes.

### Internet/World Wide Web (WWW)

The DoD has continued its leadership position within the Federal sector through the use of leading-edge technology to support information transfer via the Internet. Information technology improvements have increased the capabilities of the wide variety of products developed to deliver information to the public as well as those which support management of internal Department programs and functions. The enhancements in information transfer technologies have increased the public's awareness of overall Defense technological developments and have improved the transfer of information concerning these developments. The DTIC has developed and manages over 80 Web information systems used by the Office of the Secretary of Defense and its components to provide information to both internal and external users. The Government Information Locator System (GILS) is fully integrated into DoD Web services and provides indices, pointers, and searching capabilities to improve access to information about DoD technology assets.

Among the Web-based products available to the Defense community is the Science & Technology (S&T) Infoweb, which provides DoD S&T managers a single Web site which integrates the most current and authoritative data used for planning, decision making, and retrospective analysis. Budget data, S&T planning data, laboratory management data, and personnel data from multiple heterogeneous sources are validated and standardized to ensure accuracy and compatibility, and then are merged in a virtual database. This database, and its accompanying analysis tools, forms a single Web entity to

collect, store, disseminate, and analyze S&T management information. Value is added to the data through the wide range of options available to managers for both standard and custom reports which provide not only current “snapshots” of specific S&T activities, but trend indications across multiple years. The S&T InfoWeb is restricted to “.mil” users and is used by the entire Defense S&T community.

## Registration for Access to DoD Technical Information

DTIC operates a registration system for access to Defense technical information. Through the registration system, DoD organizations and DoD contractors and potential contractors can access the DTIC databases to ascertain ongoing and completed R&D relevant to their work and interests. This facilitates and increases awareness of technology that is relevant to both Defense and commercial applications. Of the 4,662 organizational registrations active in FY 98, 1,998 were associated with private sector organizations. In addition, during the period that the DoD SBIR solicitations are active, DTIC registered an additional 800 small businesses to assist them in participating in this major Defense acquisition program.

## DoD Technical Reports

DTIC is the central DoD repository for the collection and secondary dissemination of DoD technical reports. The reports are abstracted, indexed, and cataloged, as part of DTIC's on-line searchable database. During FY 98, the non-Government sector of the Defense industry conducted over 40,998 searches of DTIC databases and they received 307,298 output products from DTIC.

In addition, DoD pursues a policy of public release of Defense scientific and technical information whenever possible. This information is centrally collected, announced, and released for public purchase through the National Technical Information Service (NTIS) as part of their statutory mandate to supply Federal R&D information to the general public from the Federal Agencies. In FY 98, 21,249 technical reports were provided by DTIC to NTIS for public release and purchase. DoD provides over 30 percent of the annual submissions to NTIS that document the results of both in-house and Government contract sponsored efforts. These documented, completed results of Defense R&D contribute to technology transfer by helping private sector organizations identify DoD work in their fields of interest.

## Technical Effort and Management System (TEAMS)

The DTIC-operated TEAMS WUIS database contains brief descriptions of ongoing Defense R&D efforts as well as the identity of the sponsoring and performing organizations, project duration, and level of resources invested in the effort. This information can provide the basis for identifying opportunities for collaboration between DoD organizations as well as between DoD organizations and the private sector for the purpose of technology transfer.

## DoD Information Analysis Centers (DoD IACs)

The DoD IAC Program provides access via the World Wide Web (WWW) to 13 DTIC sponsored centers and one Army sponsored center for the analysis of scientific and technical information. Each IAC Home Page continues to experience a steadily increasing volume of inquiry traffic from the public sector. WWW access provides significant opportunity for technology transfer of publicly accessible defense technical information plus a channel for two-way electronic communication with technology experts.